

Meeting Minutes from April 24, 2002 Advisory Board.

Minutes have not approved by Advisory Board

**NEBRASKA ENHANCED WIRELESS 911 ADVISORY BOARD MEETING**

**Nebraska Public Service Commission**

**The Atrium, 1200 N Street**

**Lincoln, Nebraska**

**March 26, 2004 10:00 a.m. – 4:00 p.m.**

The Enhanced Wireless 911 Advisory Board met on March 26, 2004 at the Nebraska Public Service Commission, in the Commission Library.

There being a quorum present, the meeting was called to order.

The following Committee members were present:

Director Thielen Thielen  
Mark Masterton  
Angela Melton  
Laura Demman  
Lorrie Shreve  
Bob Howard  
Kevin Hergott  
Bill McCarty  
Mark McCue  
Issac Brown  
Roger Goos  
Jenny Ginny Vance  
Gary McLaughlin

Kevin Hergott motioned for Mark Masterton to remain chair, seconded by Bill McCarty. Motion carries with 9 votes in favor, 1 absent not voting.

Ginny Vance left the room to take a phone call.

Gary McLaughlin motioned for Kevin Hergott to take Vice Chair seconded by Roger Goos. Motion carries with 9 votes in favor, 1 absent not voting.

Ginny Vance asked what she missed and said she wanted to motion for Bill McCarty to be Vice Chair. Mark Masterton stated the vote had already been taken. Laura Demman said we could entertain her motion if desired. Bill McCarty said no he was happy the way it was.

**Approval of Meeting Minutes**

Kevin Hergott motioned to approve the meeting minutes from August 23, 2003. Seconded by Bill McCarty. Motion carries 9 votes in favor, 1 absent not voting.

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Mark Masterton called the meeting to order and welcomed the members. How the LB 585 came about. Discussed the role of the board to advise. Director Thielen handed out Roles of Advisory Board. Goal to implement Phase I and then Phase II. Gave status of current Phase I – 35 counties currently live. One goal for this year is to rollout the infrastructure for Phase II.

**Public Forum** – 15 minutes

Pam – Alltel LEC is here to observe

### **Phase II Overview**

Director Thielen distributed handouts regarding Phase II implementation and discussed the travel policy for new members; mileage 37.5 cents per mile, hotels paid by direct bill. Discussed which meals are paid for if leave by 6:00 a.m. and that she must approve the expense travel form. Director Thielen will verify mileage using MapQuest; State policy. Mail in expense form, with receipts as well as time and date on the receipt, no reimbursement for alcohol.

Director Thielen handed out updated list of PSAP contacts. Ginny Ginny Vance requested contact list to be emailed for hard copy.

Director Thielen distributed past meeting minutes to new members.

Director Thielen asked Laura Demman to hand out Affidavits and discuss. Laura Demman said a change needed to be made and would hand out after lunch.

Ginny Ginny Vance asked to have Advisory Board Members list on web updated to include Angela Melton.

Director Thielen distributed handout for parameters of funding guidelines

Director Thielen discussed Phase I – call back number of wireless caller and address of cell tower and identify the name field of the wireless carrier that call is being placed through. Phase II will give lat and long of the caller's location using cell triangulation and Kevin Hergott added that it can tell you if it's coming off of a quadrant if the antennae on the tower is good. Mark McCue asked if the tower could get filled to capacity where it can't take anymore calls. Ginny Ginny Vance gave an example, that if the tower was broken or can't accept the call, default routing kicks in. Depends on how the router is set up as to how the call comes in. Ginny Ginny Vance will verify McCue's default routing setup for his area. Ike Brown asked about the sectional antennae being tied to Phase I – Kevin Hergott said it's not developed for each area.

Director Thielen handout out list of PSAP's who has implemented so far and to what level.

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Director Thielen handout out information on article from internet about 911 and another handout on GAO – pointed out pg 14 as interesting – Phase I and II – commented that Nebraska will be on the map soon and we aren't far behind the rest of the US. Kevin reiterated the eight states have implemented the Phase II and said that some states have implemented portions of Phase II but aren't shown on the map – said doesn't represent a true picture.

#### UPDATE ON MISC ITEMS

*Order for intertandum trunking* – Discussed by Director Thielen. Council Bluffs to Des Moines gave ability for wireless calls to be transferred along the Iowa and NE border. Problems with Pottawatomie and Douglas Counties. Connected Grand Island, Norfolk and Council Bluffs together. Qwest region the central tandems are connected to each other. 2<sup>nd</sup> and 3<sup>rd</sup> plans Alltel selective router and Qwest together for the Iowa and NE border and the other borders between Alltel and LEC. Sprint LEC – 3<sup>rd</sup> solution – Kimball and Scottsbluff with Grand Island tandem. Would be nice to connect the state borders – 5 total surrounding. Gary McLaughlin asked if reimbursed – Director Thielen said yes in order with a one-time maintenance cost. Ginny Ginny Vance discussed problem with NPD codes and CPE equipment – need to be able to pull from database. Gary McLaughlin asked if NPD code comes with the call – Ginny Ginny Vance said yes. At the NENA level, there is a nation-wide push for all tandems to be connected.

*Order on surcharge* – Discussed by Director Thielen. A 50 cent surcharge by law, plus an additional surcharge for their own benefit, which was mostly for LNP and Phase II relational costs. Why are WSP doing it? Haven't decided yet how the guidelines will read for this – right now considered double-dipping. Will wait to see how it's going later and see how the fund is financially before decision is made. Ike Brown asked if Commission is regulating the surcharge?. Director Thielen reported Commission doesn't regulate WSP currently and said that carriers would say it's not our business – but it is because they're coming to the fund for reimbursement. Ike Brown asked if it was a legislative issue and Director Thielen said it's being fought at the FCC level. Gary McLaughlin said there's probably 4-5 WSP left that the FCC will be able to set some rules. Mark Masterton stated that there should be a national platform used and, until then, we'll be fighting the companies.

*Investigation order* – Discussed by Director Thielen. Goes with resolutions – current status of Phase I – investigate to get folks opinion on what needs to be thought about and taking a county's calls and routing their cell towers to a different county – from WSP perspective, PSAP perspective, and other states that are not enhanced for comments, suggestions. It would be a temporary situation until all PSAPs are up and running with Phase I, won't be taken away from the counties. Gary McLaughlin, state radio systems – Ginny Ginny Vance said we want all counties to be responsible for their 911 calls. Some counties may not go E911. Should they go to State Patrol? Kevin Hergott said makes more sense that if county doesn't go E911 then go to the next county that has E911. Director Thielen stated a lot of things need to be decided before any deadlines are thrown

Minutes have not approved by Advisory Board out. Mark Masterton stated need to be ready for the deadline before we enforce it. Director Thielen - Right now don't know all the issues that are affecting the decision. Kevin Hergott discussed what he thought the order stated. Asked his question another way - 50% of counties in Phase I in 18 months - speculation currently - when the plateau reaches above 50% then we need to stick noses in, instead of sitting back and watching. Ike Brown stated there seems to be issues that need to be considered - 1. Do we have the authority to say what counties can and can't do as well as the cost to them for staffing and budget issues. One thing to consider - # of counties with small pop that unlikely will ever go E911 on their own, let alone wireless. It's not a short-term fix. Kevin Hergott said not all the 911 calls just wireless - funds control the wireless 911 calls therefore, the county by Mark Masterton, Banner, is a prime example of never having 911 implemented. In a sense, take the cell 911 calls to tower and divert them to another community. In that scenario, is there an overabundance diverted to, if small county, not very many calls, if it is an issue, then radio back to the county for answering another counties calls. Director Thielen said it's not really dictating. Kevin Hergott said the timeframe was long and that if we talked to them, some counties may not go forward - Director Thielen said this issue is in the order - is following through with that order just not in the timeframe Kevin Hergott wants. Gary McLaughlin said it's to give the counties a push and hope that pressure will get them moving. Director Thielen said some are misusing their money funds and some just don't have the money, but the order is asking for these kind of issues. Roger Goos asked if a letter of intent from those jurisdictions going out with the order for them to return information to us. Believed sending to state patrol is not a good thing. Kevin Hergott asked what will the deadline be - Director Thielen order is going out next week and the deadline is outlined in the order. Mark Masterton asked what the deadline is - April 30, 2004 was the response by Director Thielen

*Order for subcounts, cell towers, lat, long, address, kind of tower, Phase I and II imp dates and any new cell towers coming on* - Discussed by Director Thielen. All data needed will be by county. Ginny Ginny Vance stated that its not being done currently but is supposed to be. Director Thielen stated that the order will give them specifics, and that if don't comply, then reimbursement will not be forthcoming. Information has to be accurate and up to date.

Director Thielen said she's hiring new staff.

Director Thielen - will get into RFP.

Break - 5 minutes 11:20 A.M.

#### **Phase II Overview of Estimated Costs**

Director Thielen - reiteration for new members of overview of estimated costs for Phase II by carrier remember confidential - nonrecurring at 10m and NRC \$344,000/month - \$6.7 million in fund - \$4.5 m in per year brought in. Does not include the work to be done for GIS data built, hardware/software for mapping components for PSAP. Kevin Hergott on NRC - is that figure for the entire state for their service areas? Director

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Thielen yes – will the MRC go county by county or will it be a lump? Director Thielen same as Phase one – identify county by county – some carriers are changing their billing so the costs may be a little higher. Director Thielen – this is used to map out how the Phase II will be done and what the estimated cost will be. Kevin Hergott asked if look at MRC, are we or have we taken steps to raise the surcharge above 50 cents? Director Thielen – could entertain that an increase be taken depending on how much is paid to WSP for cost recovery – doesn't see how we can go forward without an increase. Will have to wait for the next legislative session to ask for an increase. Gary McLaughlin said the increase comes from the customer not the taxpayer. Director Thielen handed out mapping/software overall view by county for status of E911, LEC identification, etc. for the PSAP. Looking at a total cost for mapping of \$1.4 m approx statewide. Break it down into sections for those that have mapping, so only need a portion – does not include reimbursement for current mapping software, data built reimbursement for hardware/software already put in agency and those areas that don't have mapping software. Ike Brown stated that the tower can narrow down to a certain area within a certain radius. Ginny Ginny Vance asked when we approve this, will it become a standard requirement for the cell tower? Gary McLaughlin – after last meeting – will we recommend vendors? Director Thielen didn't recommend vendor at that time, but will recommend for vendors. Gary McLaughlin said from his understanding of last meeting should come up with a platform standard for the vendors to reply to. It will be a standard for the vendors for them to bid.

Director Thielen distributed another handout – some vendors have equipment that won't be able to handle a Phase II call so will have to forklift their equipment by putting in all new hardware and those costs are not included in the handout. If the cost goes over and can prove what they did and it meets standard, then they should be eligible for reimbursement. Director Thielen said it will be checked into for the reimbursement of the vendors they purchased from. Ike Brown stated that their equipment will accommodate Phase I and II and whoever is putting the system in is responsible for if it's compatible when they're installing. Director Thielen will go through the cost approval process for the vendors. Kevin Hergott wants to move forward with some portion of Phase II to make sure we're on the right wavelength. Talking about someone who is already up and running and see if it works, and then worry about cost recovery later. Director Thielen stated from Commission perspective, financial perspective and what's best for NE, we are not going to run the program to where we owe millions of dollars. The resolution that was signed last year outlines the way we're going on with Phase II implementation. Her hopes by, best aggressive look, August, September of this year we have our first request for Phase II.

Lunch break – 12:30 – 1:00 p.m.

#### **Affidavits**

Angela Melton passed out new affidavits to be signed by all members and discussed; notary (Lisa Polivka) in to witness signatures.

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**Phase II Overview Continuation**

RFP Timeline Overview, DRAFT dates, not concrete

Release of RFP May 21  
Prebid June 3  
Proposal from vendor 6/24  
Review with commission 6/25  
Review with advisory board 6/30 and take recommendation from board for commission to award.  
7/12 week start cost recovery and plan for vendor county meetings (those vendors selected with PSAP's to get together to make their choices for mapped data creation)  
August 2 or 9 have meetings with counties and vendors to make selection  
August following week, approve costs.

Bob Howard goal to create a pricing menu – to pick the vendor and is the lowest.  
Director Thielen stated won't choose the lowball automatically, will choose the better vendor that fits overall criteria.

Director Thielen pointed out that the handout is not the rollout schedule just a timeline. She would like a committee to review the RFP's – 7 member chosen after all the rules/regs for reviewing to make sure there's no conflict of interest. Director Thielen would like Bob Howard to serve on the committee for the technical standpoint. Director Thielen – wants to do a forum that could correlate with the county/vendor meetings sometime in August. Director Thielen asked for questions, ideas, comments from board – Kevin Hergott is everything ready for the RFP? Director Thielen stated, no, still have a few questions that wants answered by board.  
Mark McCue asked whether his county would have to go through because they've already purchased the mapping/software from GEO Comm? Director Thielen said still need to go through the cost portion and maybe if the different levels aren't the same, might have to come to the table. Ginny Ginny Vance said they've encountered some problems in Iowa depending on where the information is put together from. Some things aren't being able to get mapped because the information from a wireless call doesn't come across the screen the same way into the same fields that the wireline calls do. This is a GEO Comm problem. For an Intrado database format, the mapping must be in a 30w system.

Director Thielen asked for any other things being forgotten that need to be added. Bob Howard asked if going through purchasing? Director Thielen said no, just checking with them for the proper lingo and legal ease issues.

#### **Standards for Phase II – questions to resolve**

Director Thielen – handed out a list of some things that need to be determined. Some counties have not used **correct MSAG addresses** still using directional addresses. This won't work with the GIS system and won't plot with Phase II. What are your views??

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Ginny Ginny Vance, asked aren't you suppose to use the coordinates? Director Thielen said it's both. Bob Howard said the county can assign an address, so if a cell tower is the middle of the corn field, then the street should be named. Director Thielen said that the cost of naming roads will be an issue. Roger Goos asked at what level are the charges? Director Thielen said, database, funneled through WSP and charges on the data built side as a guess. Roger Goos asked if you plot a location in the middle of a section, would the GIS have to be exact for that site or can you plot from the access road?? Bob Howard – shouldn't it be the responsibility of the county that owns the tower to pay the cost? Ginny Ginny Vance said that the MSAG address that were suppose to be done previously before phase I started, were not done. They left it at the rural address, not a street location. Kevin Hergott said whoever is responsible for the MSAG address in the county, then the county should be responsible. Mark Masterton said that it is the county's responsibility to supply the address. Director Thielen said she doesn't want to go back to anyone, she just wants to go forward for any changes in data that have to be made. She wants to figure out who is responsible for that charge. If the county assigns it incorrectly, then it's their problem. Director Thielen is anticipating these changes to be a problem – wants to table the issue. Ginny Ginny Vance suggested that we sign it and send it back to the county for them to pay and have them sign off on the changes. Ike Brown and Roger Goos – FCC has record of list, Ginny Ginny Vance said need physical address. Director Thielen the phase II will come up on the map, with the lat and long and display the callers location.

Director Thielen – **stand alone vs. interface** into the system when the spill of the ALI brings up the information. If use the stand alone, dispatcher will have to key the information. Updates – of towers, database related mapping, etc. the vendors will be able to push the new updates out to you. If standalone, this may or may not happen, then the question of data integrity comes into play. Director Thielen recommends that the standard is the mapping would be interfaced with the existing equip. Ginny Ginny Vance – said CAD systems for mapping that don't interface so that's an issue. Director Thielen – if you have a 2 position PSAP, each should have it's own mapping. Kevin Hergott thinks the numbers of positions have their own mapping, but all positions won't be able to see the map. Kevin Hergott – project the map on the wall for everyone to see vs. on a 15" monitor. Director Thielen- what if two calls come in together, then both have to monkey with the data using one map? Kevin Hergott if the entire map was up on a big screen (based on Johnson county Kansas) when the call comes in, the arrow is up on the street, and so they have the information. Director Thielen clarification of getting to the different levels, with one map and 2 or more positions, then it's not possible. This could be a standard and the county could decide if they wanted it. Roger Goos – what would happened if three jurisdictions combined to provide 911 service, if 911 came in from a and then b, are we looking at doing any regionalization? Director Thielen – Arthur, Deuel and Grant would each have to be set up. Ginny Ginny Vance said it should be a PSAP decision and functionality should be there for them to choose to use. Kevin Hergott with the projection, anything you can do on the 15" screen can be done on the projection. A split screen scenario is different.

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Director Thielen - **central mapping vs PSAP** – believes it should be at PSAP, central would provide more costs. Kevin Hergott said they started with map info, then drove the roads to determine correctness, went to state hiway for corrections, compiled the data, sent it to GEOComm and the address grid sent to another and the 2 companies worked together to correct the incorrect items.

Director Thielen – how do we **incorporate data from other counties** that don't have enhanced 911? Do we go with the particular layers with the basic, here's a road, etc. Ginny Vance, for border counties with a tower between counties, and the caller is in the county not enhanced and the tower that is enhanced picks up the call. Director Thielen – need to have the data built for all counties. Ginny Vance – for counties not E911, the surrounding counties will have to be built. Roger Goos – if you don't have the cost or the know how, then we'll get them with someone who can help them. Director Thielen – so we think it's necessary to incorporate the other counties – otherwise you defeat the purpose. Ike Brown - we are responsible for our own county, not someone elses. Director Thielen – in a wireless world, if tower is in your county, and half of the calls go into the other county, the call goes to you and since you've taken on the tower, it's your responsibility. Roger Goos – it's a moral responsibility, who's going to take care of the public. Ike Brown – is there a liability? Director Thielen – yes – Angela Melton gave an analogy to show liability.

Director Thielen – how to deal with **MSAG data that is incorrect** – if data is built wrong, it should be paid for it and then corrected. Who should pay for fixing anything wrong (skewed data – meters and feet, or irreputable vendor) that was created from the getgo (original build) before the conversion into the GIS Phase II can happen? Roger Goos – if the county provided the correct data from the start and the data couldn't be married due to the reputableness of the vendor, the county should not be held accountable.

Director Thielen – **what layers to consider as standard** – what are your thoughts based on the list given, land markers, recreation areas (parks)? Director Thielen – centerline data (center of the road) – Mark Masterton and Roger Goos left the room for phone calls. Director Thielen – very beneficial from various angles – also for wireline calls. Kevin Hergott if centerline data isn't in, then maps will be going out with no consistency putting dispatchers in jeopardy. If centerline isn't there, dispatcher might not know that a road doesn't go through for two miles, but the map shows it does, then this causes a problem. Kevin Hergott – mile markers - if county has rural addressing, then won't need. If they don't have rural addressing then will want the mile markers and this will only help on the highway itself. Director Thielen is thinking I-80. Kevin Hergott mile markers on the railroads (Union Pacific and Burlington Northern) and Roger Goos, how about navigable rivers (Core of Engineers) mile markers? Kevin Hergott how about natural gas pipelines (NG – Laura Demman) mile markers? Ike Brown – just urge caution, that just because it's free and available doesn't mean it's accurate. Mark Masterton – what about the Call before you dig helpline? They have powerline data – Bob Howard – not always correct. RogerGoos, anything that can cause harm to human lives should be included.

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Director Thielen – reiterated all on list plus the rec areas, railroads, rivers, natural gas, substations – are we missing anything from the rural areas that we may not know about because we don't live there? Roger Goos – what about military – training sites, silos etc.? Director Thielen – what do we want to do with arial photos? Kevin Hergott doesn't think that it's a 911 issue – Roger Goos – farm resources have - Bob Howard – costs too much. Director Thielen – take out arial photos on the list – all else, discussed above.

Director Thielen - #9 deal with on case by case basis.

Director Thielen – anything else to discuss?

Ike Brown – Swan's truck have GPS locations for all houses they stop at – is accurate down to 3 meters. Director Thielen – asked for contact person for information. Mark Masterton entertained the thought of what about UPS and FedEx, Director Thielen to check into.

Mark Masterton entertained the idea of having meetings on Friday's.

Mark Masterton asked if any other comments on any other topics.

Discussion was had as to next meeting date and location. It was determined that the next meeting be held June 30 tentatively.

Meeting is adjourned at 2:58.